

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 941960	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/CA 02/ 01557	International filing date (day/month/year) 17/10/2002	(Earliest) Priority Date (day/month/year)
Applicant GAP ENVIROMICROBIAL SERVICES INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures.

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/00 C12Q1/04 C12Q1/54 C12Q1/22 C12M1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q C12M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 861 270 A (NELIS JOZEF CONSTANTIA FRANS H) 19 January 1999 (1999-01-19) cited in the application column 2, line 25 -column 3, line 48; claims 1-36; figures 1,4; examples 1-6	1-86
Y	EP 0 841 403 A (IDEMITSU KOSAN CO) 13 May 1998 (1998-05-13) abstract; claims 21-28,30-34 -/--	1-86

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

25 February 2003

Date of mailing of the international search report

06/03/2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>NELIS H J ET AL: "COMPARISON OF CHEMILUMINOGENIC, FLUORIGENIC AND CHROMOGENIC SUBSTRATES FOR THE DETECTION OF TOTAL COLIFORMS IN DRINKING WATER" PROCEEDINGS OF THE WATER QUALITY TECHNOLOGY CONFERENCE, 1993, pages 1663-1673, XP000567233 cited in the application page 1664, paragraph 2 -page 1666, paragraph 2</p>	1-86
A	<p>MARTIN C S ET AL: "DUAL LUMINESCENCE-BASED REPORTER GENE ASSAY FOR LUCIFERASE AND BETA-GALACTOSIDASE" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US, vol. 21, no. 3, 1 September 1996 (1996-09-01), pages 520-524, XP000635196 ISSN: 0736-6205 page 521, left-hand column, paragraphs 1-3</p>	1-86
A	<p>WO 00 73412 A (CEPHEID) 7 December 2000 (2000-12-07) claims 15-23</p>	1-86
A	<p>US 5 510 243 A (WAINWRIGHT NORMAN R ET AL) 23 April 1996 (1996-04-23) column 3-4; claims 1-8; table 1</p>	1-86
A	<p>DE 196 08 320 A (BIOSQUANT GMBH) 28 August 1997 (1997-08-28) claims 1-9; examples 1-6</p>	1-86
A	<p>WO 94 20638 A (BERG JAMES D) 15 September 1994 (1994-09-15) abstract; claims 1-15</p>	1-86
A	<p>US 6 063 590 A (BRENNER KRISTEN P ET AL) 16 May 2000 (2000-05-16) abstract</p>	1-86

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claim 86 relates to a kit but only comprises method steps. The said claim is therefore unclear (Art 6 PCT). Thus, claim 86 has only been searched insofar as it is related to a method comprising steps a)-g).

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA 02/01557

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5861270	A	19-01-1999	AU 713480 B2	02-12-1999
			AU 3865295 A	31-05-1996
			WO 9614431 A1	17-05-1996
			DE 69519747 D1	01-02-2001
			DE 69519747 T2	09-08-2001
			EP 0791070 A1	27-08-1997
			ES 2155144 T3	01-05-2001
			JP 11505405 T	21-05-1999
EP 0841403	A	13-05-1998	JP 10136996 A	26-05-1998
			JP 10215859 A	18-08-1998
			EP 0841403 A2	13-05-1998
WO 0073412	A	07-12-2000	AU 5170700 A	18-12-2000
			AU 5300900 A	18-12-2000
			AU 5301000 A	18-12-2000
			EP 1208189 A2	29-05-2002
			EP 1181098 A1	27-02-2002
			EP 1180135 A2	20-02-2002
			JP 2003500674 T	07-01-2003
			JP 2003501018 T	14-01-2003
			WO 0073412 A2	07-12-2000
			WO 0072970 A1	07-12-2000
			WO 0073413 A2	07-12-2000
			US 6391541 B1	21-05-2002
			US 2001012612 A1	09-08-2001
			US 2002019060 A1	14-02-2002
US 5510243	A	23-04-1996	NONE	
DE 19608320	A	28-08-1997	DE 19608320 A1	28-08-1997
WO 9420638	A	15-09-1994	US 5518894 A	21-05-1996
			AT 220109 T	15-07-2002
			AU 685092 B2	15-01-1998
			AU 6293394 A	26-09-1994
			CA 2157769 A1	15-09-1994
			CN 1122147 A ,B	08-05-1996
			DE 69430912 D1	08-08-2002
			EP 0690923 A1	10-01-1996
			JP 8509601 T	15-10-1996
			WO 9420638 A1	15-09-1994
US 6063590	A	16-05-2000	US 6306621 B1	23-10-2001
			US 2002048780 A1	25-04-2002